METHOD FOR COMPENSATING TIMING TO START DATA RECORDING AND MAGNETIC DISK DEVICE USING SAME

ABSTRACT OF THE DISCLOSURE

Head-to-head variations in the head gap distance between write and read heads is compensated by measuring the head gap distance in each head by writing and reading a predetermined unique pattern, and compensating the timing to start the data writing by changing it in a head-to-head manner based on a time gap that corresponds to the measured head gap distance in each head. This allows data to be written at a desired physical position regardless of the variation of the head gap distance, thereby allowing formatting efficiency to be improved.

(FIG. 1)